



PM 04 65564-1

9/30/97

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

SEP 30 1997

Jeff Simons  
JMS Flower Farms, Inc.  
1105 25th Ave.  
Vero Beach, FL 32960

Subject: JMS Stylet-Oil, EPA Registration Number 65564-1  
label amendment (your letter dated 9/8/97) accepted with comments

Dear Mr. Simons:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the following comments:

- 1) Remove references to food grade quality on the pesticide product labeling. Specifically, delete the phrase "a food grade quality" under the product name and the sentence in the ingredients footnote "JMS Stylet-Oil meets the requirements set by the Food and Drug Administration for Food Grade Quality mineral oil." Federal regulations prohibit the use of label language which, while true, may be misleading. Using the term "food grade" followed by numerous precautionary, hazard, and first aid statements creates a misleading impression on the purchaser. The phrase is not relevant to the use or performance of your product as a pesticide.
- 2) Remove the instructions "IF INHALED - Avoid breathing of vapors and spray mist" from the Statement of Practical Treatment block. Instead, use the instructions "IF INHALED - Remove victim to fresh air." The avoidance phrase is more appropriate to the Precautionary Statements block (where you have already correctly used it). The Practical Treatment block should explain what to do if you didn't avoid the material.
- 3) In the Method of Application block, move the two paragraphs starting with "For insects/plant virus" and "For fungicide use" from near the top of the block to the bottom at the end of the Equipment text. These paragraphs discuss nozzles, pressure, and coverage and are clearer as part of the Equipment text.



Please submit three (3) copies of your final printed labeling incorporating the above changes prior to releasing your product for shipment. If the above provisions are not complied with the registration will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A copy of your label stamped "accepted with comments" is enclosed for your records.

Sincerely yours,



Thomas C. Harris  
Insecticide / Rodenticide Branch  
Registration Division (7505C)  
Office of Pesticide Programs

enclosure



# JMS

## Flower Farms, Inc.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

SEP 30 1987

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

65564-1

### JMS STYLET-OIL®

A FOOD GRADE QUALITY WHITE MINERAL OIL\* FOR CONTROL OF FUNGAL DISEASES, APHID-TRANSMITTED PLANT VIRUSES AND PHYTOPHAGOUS INSECTS AND MITES.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)

##### CAUTION

Harmful if swallowed. If swallowed do not induce vomiting. Call a physician. Avoid breathing vapors and spray mist.

##### Personal Protective Equipment:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long sleeved shirt and long pants;
- Chemical-resistant gloves, such as:
- Barrier laminate or nitrile rubber, neoprene rubber or viton;
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

##### ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas near the mean high water mark. Do not contaminate water when disposing of equipment wash waters. Apply this product only as specified in the label.

#### KEEP OUT OF REACH OF CHILDREN

##### CAUTION

##### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED**-Do not induce vomiting. Call a physician.

**IF INHALED**-Avoid breathing of vapors and spray mist.

**IF ON SKIN**-Wash immediately with soap and water.

**IF IN EYES**-Wash immediately with copious amounts of water.

#### ACTIVE INGREDIENT:

PARAFFINIC OIL..... 97.1%

INERT INGREDIENTS..... 2.9%

TOTAL..... 100%

Unulfonated Residue of the Oil..... 99.1%

Flash Point..... 345°F

EPA Registration No. 65564-1

#### STORAGE AND DISPOSAL

**STORAGE** - Keep drum tightly closed in storage to prevent entry of water. Do not freeze. Store drum on side. Roll drum before use if stored over-season.

**DISPOSAL PROHIBITIONS:** Do not contaminate water, food, or feed by storage and disposal. Open dumping is prohibited. Pesticide disposal waste resulting from the use of this product may be disposed of on site or at approved waste disposal facility.

**Container disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Consult Federal, State or local disposal authorities for approved alternative procedures.

\*White oil is a superior grade technical mineral oil subjected to sufficient refinement steps to remove the impurities found in typical spray oils. JMS Stylet-Oil meets the requirements set by the Food and Drug Administration for Food Grade Quality mineral oil.

# JMS STYLET-OIL®

THE PREMIERE WHITE MINERAL OIL GIVING GROWERS A CLEAR CHOICE

## METHOD OF APPLICATION/EQUIPMENT

Use the following application method information unless otherwise directed under "Timing/Remarks" for a particular crop/pest.

**For insects/plant virus:** Spray at no less than 400 psi using ceramic spray nozzles (ALBUZ® ATR, lilac color or their equivalent).

**For fungicide use:** Application system used for insects/plant virus is not required. However, maximum coverage and least potential for phytotoxicity results from use of this system. When using conventional application equipment, spray for coverage of upper leaf surface.

### APPLICATION RATE

From 25-150 gallons of dilute spray emulsion per acre depending on plant size. Thorough coverage is necessary. A tractor speed of 3.5-4 mph (6-7 kph) is recommended. Vary the quantity of spray applied by changing the number of nozzles used, not by changing either tractor speed or spray pressure.

### TIMING OF APPLICATIONS

**For use as an insecticide:** Spray should be initiated as soon as plants emerge. Plants should be sprayed weekly or twice weekly depending on level of pest infestation. Continue sprays through harvest.

**For use as a fungicide:** Spray weekly or once every two weeks depending on level of disease pressure.

**For use in mitigating aphid transmission of plant viruses:** Initiate sprays when winged aphids first appear. Spray weekly or twice weekly depending on level of disease/vector pressure. For cucurbits, begin spraying when 50% of plants germinate. Cucurbits should be sprayed twice weekly during rapid growth phase.

### EQUIPMENT

Thorough coverage is essential. Best coverage is achieved with ground equipment using proper spray pressure, gallonage per acre, nozzles (generally hollow cone), nozzle spacing and tractor speed.

Do not apply this product through any type of irrigation system (chemigation).

## GREENHOUSE

**For greenhouse use:** Apply recommended rate for control of the greenhouse pest. Use ALBUZ® ATR, lilac color nozzle or their equivalent. Apply weekly or every two weeks depending on level of pest infestation. From 20-100 gallons of dilute spray emulsion per acre, depending on plant size. Spray to the point of runoff. Vary quantity of spray applied by changing the number of nozzles used, not by changing spray pressure, speed of travel or size of nozzle.

## COMPATIBILITY INFORMATION

Add the oil to tank mix formulations as the last ingredient. Local climatic conditions can adversely affect the persistence of oil on a crop. On crops where tank mixes and/or spray intervals have not been previously used, spray a small area with the recommended nozzles and spray pressure and wait several days. If sufficient time between sprays has not elapsed, phytotoxicity will normally occur in several days. Chemicals which are phytotoxic when used alone will be more phytotoxic when used with oil.

**TANK MIX** JMS Stylet-Oil® only with those chemicals registered for use on the specific crop to be treated. When using JMS Stylet-Oil® in tank mixtures, observe all limitations, precautions and rate recommendations which appear on the label for these products: acephate (Orthene), benomyl (Benlate), copper ammonium carbonate (CCN), copper hydroxide (Kocide), fenvalerate (Asana XL), Mancozeb, Maneb, methamidophos (Monitor), metalaxyl (Ridomil) and triadimefon (Bayleton).

**DO NOT** tank mix JMS Stylet-Oil® with spreader stickers or Nu-Film-P. Wait at least ten days between an oil application and spraying Nu-Film-P.

**DO NOT** tank mix JMS Stylet-Oil® with highly ionized nutrient spray materials (Nutri-Leaf) (20-20-20), Bayfolan. These materials can be sprayed separately from oil. JMS Stylet-Oil® is compatible with urea (up to 5 lb. per 100 gal.) and epsom salt (MgSO<sub>4</sub>) (3 lb. per 100 gal.).

**DO NOT USE** the following chemicals: captan, Folpet, oxythioquinox (Morestan), organic tin compds. (Du-Ter), or propargite (Omite) during, with or following an oil spray.

**DO NOT USE** chlorothalonil (Bravo) or dimethoate (Cygon) in a spray program with JMS Stylet-Oil® on the following crops: grapes, ornamentals and strawberries. Do not use dicofol (Kelthane) in a spray program with JMS Stylet-Oil® on ornamentals and strawberries.

**DO NOT USE** the following chemicals with JMS Stylet-Oil® unless at least two weeks have elapsed between the use of oil and the chemical: anilazine (Dyrene), chlorothalonil (Bravo), dicloran (Botran), dicofol (Kelthane), Dikar, dinocap (Karathane), permethrin (Ambush, Pounce). **DO NOT** apply sulfur with or following an oil application for 21 days. **DO NOT** apply oil for fourteen days following sulfur treatment.

## ADDITIONAL COMMENTS ON SPRAYING

Do not spray wet foliage. Do not spray if temperature is below 55°F (13°C) or when plants are under heat or moisture stress.

## PREHARVEST INTERVAL No Interval Required

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## AGRICULTURE USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with any part that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves, such as Barrier laminate or nitrile rubber or neoprene rubber or viton;
- Shoes plus socks

# JMS STYLET-OIL®

THE PREMIERE WHITE MINERAL OIL GIVING GROWERS A CLEAR CHOICE

## FOR VEGETABLES:

CROP	PESTS	RATE/100 gal. Water	TIMING & REMARKS (See Application/Compatibility Sections also)
Asparagus Bean Beet Cabbage Cauliflower Celery Cucumber Cucurbits Eggplant Lettuce Melon Okra Pepper Potato Pumpkin Squash Tomato	Leafhopper* Leafminers. Mites. Whiteflies. Alternaria Leafspot. Gummy Stem Blight. Powdery Mildew. Rust	3-6 qts	Using ground equipment, spray for thorough coverage of upper leaf surface. For aphid-transmitted plant viruses and insect control use 400 psi spray pressure and ceramic hollow cone nozzles. For fungal diseases use at least 200 psi spray pressure.
	Cucumber Mosaic Virus, Papaya Ringspot Virus. Pepper Mottle Virus. Potato Leafroll Virus. Potato Virus Y. Tobacco Etch Virus. Watermelon Mosaic Virus 2. Zucchini Yellow Mosaic	3 qts	

## FOR SMALL FRUIT & BERRIES:

CROP	Pests	Rate/100 gal/water	TIMING & REMARKS (See Application/Compatibility Sections also)
Blueberries* Bushberries* Caneberries	Mites. Powdery Mildew. Rust	3-6 qts	Using ground equipment, spray for optimum coverage of leaf surfaces. For fungal diseases use at least 200 psi spray pressure.
Strawberries	Leafminers*, Mites. Botrytis, Powdery Mildew	3 qts	Spray at no less than 400 psi using ceramic spray nozzles (ALBUZ <sup>3</sup> ATR, lilac color or their equivalent).
Grapes	Mealybugs, Mites, Whiteflies*, Leafhopper*	1-2 gal	Using ground equipment, spray for optimum coverage of leaf surfaces. Repeat sprays every 10-14 days.
	Powdery Mildew, Botrytis		<p><b>For powdery mildew</b>-Make first application pre-bloom and continue every ten days to three weeks depending on level of disease pressure. Use higher rate and shorter spray interval when disease conditions are severe.</p> <p><b>For Botrytis Bunch Rot</b>-Initiate sprays at bloom and repeat prior to bunch closing and veraison. Final application at harvest if needed. Use higher rate when disease conditions are severe.</p> <p>Oil will temporarily remove the bloom on grapes. Table grapes should not be sprayed within two weeks of harvest.</p>

## FOR FIELD CROPS:

CROP	PESTS	RATE/100 gal. Water	TIMING & REMARKS (See Application/Compatibility Sections also)
Cotton Field Corn Sugar beets Sweet Corn Tobacco	Earworm, Fall armyworm, Corn rootworm, Leafhopper. Leafminer. Mites, Whiteflies. Cercospora	3-6 qts	Using ground equipment, spray for optimum coverage of leaf surfaces. For fungal diseases use at least 200 psi spray pressure.

\*Not for use in California

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## FOR FRUIT AND NUT TREES:

CROP	PEST	Rate/100 gal. water	TIMING & REMARKS (See Application/Compatibility Sections also)
Almonds Apricots	Scale, Mites Fruit Tree Leafroller*	1-1.5 gal 2-3 gal	Dormant/delayed dormant.
	Scale, Mites	1 gal	Summer (foliar or cover sprays). Also postharvest. Do not apply to oil sensitive varieties.
Apple	Apple Red Bug European Fruit Lecanium Scale San Jose scale Fruit Tree Leafroller* European Red Mite	1-2 gal	Dormant/delayed dormant to 1/2" Green.
	Scurfy Scale	3 gal	
	Mites (including European Red Mite) Leafhopper* Rust mite* San Jose Scale Rosy Apple Aphid Fruit Tree Leafroller* Powdery Mildew	1-2 gal	Summer Use (foliar or cover sprays). Apply every 10-14 days depending on level of pest pressure. Also Postharvest to reduce overwintering pest pressure. Do not spray oil sensitive varieties.
		1-2 gal	Apply at tight cluster and continue every 10-14 days through second cover spray. Use higher rate and/or shorter spray interval when disease conditions are severe.
Cherries	Fruit Tree Leafroller*	1-2 gal	Dormant/delayed dormant.
	Mites, Scale	1-2 gal	Summer Use. Apply when mites first appear. Repeat sprays every 10-14 days. Postharvest sprays may be made to maintain control and reduce overwintering pest pressure. Do not apply to oil sensitive varieties.
	Powdery Mildew	1-2 gal	Apply at petal fall and continue at 10-14 day intervals. Use shorter spray interval during rapid growth phase and/or under severe disease pressure. Postharvest applications may be made to maintain control and reduce overwintering inoculum.
Mango*	Mites	1-1.5 gal	Apply every 2-3 weeks as necessary depending on level of pest pressure.
	Powdery Mildew	1-1.5 gal	For Powdery Mildew. Begin application before bloom. Repeat at bloom and every 2-3 weeks as necessary.
Olives	Mites, Scale	1.5 gal	Prebloom to Postbloom Bucksheet
Noctarines Peaches	Fruit Tree Leafroller* Cottony Peach Scale, Mites, Scale	2.5 gal 3 gal 1-2 gal	Dormant to delayed dormant.
	Mites, Scale	1-2 gal	Summer Use (foliar or cover sprays). Postharvest applications can be made to maintain control and reduce overwintering pressure.
	Powdery Mildew	1-2 gal	For powdery mildew begin at 5% bloom and continue at 10-14 day intervals until terminal growth phase stops. Do not apply to oil sensitive varieties.
Pears	Fruit Tree Leafroller* Pear Leaf Blister Mite Pear Psylla*	3 gal 2 gal	Dormant to Delayed Dormant - up to and including petal fall
	Red Spider Mites San Jose & Italian Pear Scale (Summer forms)	1 gal 1-1.5 gal	Summer Use (foliar or cover sprays). Postharvest applications may be made to maintain control and reduce overwintering inoculum. Do not spray oil sensitive varieties.
	Leafhopper* Pear Psylla*	1-1.5 gal 1.5-2 gal	
	Powdery Mildew	1-2 gal	Apply at bud burst and continue every 10-14 days. Use higher rate and/or shorter spray interval when disease conditions are severe.
Pecans	Obscure Scale	3 gal	Dormant.
Plums & Prunes	European Red Mite European Fruit Lecanium Scale Mites, Scale	2 gal 2 gal 1-1.5 gal	Dormant to 1/2" Green.
	Mites, Scale	1-1.5 gal	Summer Use (foliar or cover sprays.) Watch for oil sensitive varieties. Spray a test area first.
Walnuts	Mites, Scale	1-1.5 gal	Delayed Dormant.
	Mites, Scale	0.5-1 gal	Late Spring to mid-summer. Do not apply after husk split. Do not spray oil sensitive varieties.

\*Not for use in California

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**THE PREMIERE WHITE MINERAL OIL GIVING GROWERS A CLEAR CHOICE**

## FOR NON-BEARING TREES:\*

CROP	PEST	Rate/100 gal. water	TIMING & REMARKS (See Application/Compatibility Sections also)
Apples Cherries Peaches Pears	Mites	1-2 gal	For mites apply every 10-14 days. Use higher rate and or shorter interval during heavy mite infestation.
	Powdery Mildew	1-2 gal	For powdery mildew control, begin spraying before disease first appears. Spray every 10-14 day days. using at least 200 psi spray pressure and targeting spray for thorough coverage of leaf surfaces. Use higher rate and more frequent interval under heavy disease pressure.

## FOR ORNAMENTAL USE:

CROP	PEST	Rate/1 gal water	TIMING & REMARKS (See Application/Compatibility Sections also)
Chrysanthemum Diplentachia Philodendron Poinsettia	Leafminers. Mealybugs. Mites. Scale insects. Whiteflies. Black spot. Powdery Mildew	1 oz	Use ALBUZ® ATR nozzles. lilac color or their equivalent. Apply weekly or every two weeks depending on level of pest infestation. From 20-100 gallons of dilute spray emulsion per acre. depending on plant size. Spray to the point of runoff. Vary quantity of spray applied by changing the number of nozzles used. not by changing spray pressure, speed of sprayer or nozzle size.
Roses		1-2 oz	

## FOR GRASSES GROWN FOR SEED:\*

CROP	PEST	Rate/A	TIMING & REMARKS (See Application/Compatibility Sections also)
Bluegrass Fescues Orchardgrass Perennial Ryegrass	Powdery Mildew, Rust	1-2 gal/A	With ground equipment, apply for thorough coverage when powdery mildew and rust pustules are noticeable and increasing in number. in late spring or early fall. Repeat at 14-21 day intervals. Use higher rate under severe disease pressure. Spray with a minimum of 20 gal/A of water.

## MISCELLANEOUS CROPS:\*

CROP	PEST	Rate/A	TIMING & REMARKS (See Application/Compatibility Sections also)
Peppermint Spearmint	Mites, Powdery Mildew	1-2 gal/A	With ground equipment, apply for thorough coverage when powdery mildew is present or mint 5-6" tall. Repeat at 14-21 day intervals. Use higher rate under severe disease pressure. Spray with a minimum of 20 gal/A of water.

\*Not for use in California

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## THE PREMIERE WHITE MINERAL OIL GIVING GROWERS A CLEAR CHOICE

### FOR CITRUS:\*

CROP	PEST	Rate/100 gal Water	TIMING & REMARKS (See Application/Compatibility Sections also)
Lemons and Grapefruit	Mites Scale including California Red Scale	1-1.4 gal 1-1.6 gal	For best results, spray during Fall, early Winter & Spring months when red scale are more easily controlled and trees generally less reactive to oil. For all citrus oil sprays ensure adequate soil moisture. Leaves should not wilt before noon.
Oranges (Navel & Valencia) Other Citrus Non-Bearing Citrus	Mites (including Rust Mite & Spider Mite) Black Scale California Red Scale. Whitefly & Blackfly Sooty Mold Greasy Spot	1.0-1.4 gal 1.0-1.3 gal 1.3-1.6 gal 1.0-1.3 gal 1.0-1.3 gal 1.0 gal	Oils applied after Oct. may increase cold damage. Oils applied in Aug. and Sept. may affect solids content and retard coloring.

\*Not for use in California

### CONDITIONS OF SALE AND WARRANTY

JMS Flower Farms, Inc. warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. JMS Flower Farms, Inc. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Critical and unforeseeable factors beyond JMS Flower Farms, Inc. control prevent it from eliminating all risks in connection with the use of this product. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather conditions, presence of other materials, use to other crops or property, the manner of use or application, or failure to follow label directions will be assumed by the Buyer or User. Handling, storage and use of the product by Buyer and User are beyond the control of JMS Flower Farms, Inc. In no case shall JMS Flower Farms, Inc. be held liable for consequential, special or indirect damages resulting from the use of this product. The limit of JMS Flower Farms, Inc. liability shall be the purchase price for the quantity involved.

EPA Registration No. 65564-1

EPA Establishment No.: 14774-FL-07; 55206-MI-001  
 Superscript corresponds to last letter of lot number.



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